

AMENDMENTS TO THE SPECIFICATION

Please delete the present Abstract of the Disclosure and replace with the Following.

A computer-generated hologram comprising a plurality of cells. The hologram has information recorded therein, the information operable to recreate a stereoscopic image of an object. At least one of said plurality of cells P_j has information related to a luminance TWL_{ci} (θ_{XY} , θ_{YZ}) of a virtual point light source Q_i from a plurality of virtual point light sources. The luminance corresponds to a point S on the object. The point S is on a straight line between said one of the plurality of cells P_j and the virtual point light source Q_i .